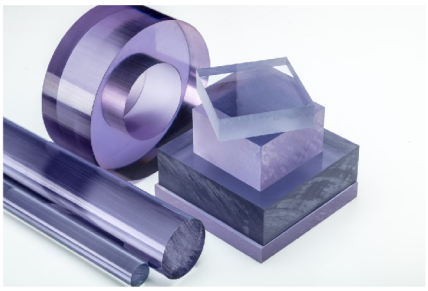
P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Zelux® M WM



Zelux® M WM is a range of extruded polycarbonate preform products designed for medical device and life science applications that are intended to be sterilized via ethylene oxide (EO). Parts made from Zelux M WM exhibit excellent impact resistance and good strength and stiffness up to 250°F. Resin used to produce Zelux M WM meets the requirements of USP VI and ISO 10993 biocompatibility standards. Extruded product is fully lot traceable.

INDUSTRY

Life Sciences

COLORS AVAILABLE

Transparent

ATTRIBUTES

- Biocompatibility
- Heat Resistant
- Impact Resistance
- Dimensional Stability
- Transparent

SHAPES

- Extruded Slab
- Extruded Sheet
- Extruded Film
- Extruded Rod

P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Zelux® M WM

TYPICAL PROPERTIES

PROPERTY	ASTM TEST METHOD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Flexural Modulus	D790	339 kpsi	2340 MPa
Flexural Strength - Yield	D790	14 kpsi	97 MPa
Izod Impact Resistance - Notched	D256	16.99 ft-lb/in	907 J/m
Tensile Elongation @ Break	D638	135%	135%
Tensile Elongation @ Yield	D638	7%	7%
Tensile Modulus	D638	335 kpsi	2310 MPa
Tensile Strength @ Break	D638	9.8 kpsi	68 MPa
Tensile Strength @ Yield	D638	8.9 kpsi	62 MPa
Thermal			
HDT @ 264 psi	D648	255 °F	124 °C
HDT @ 66 psi	D648	275 °F	135 °C
Physical			
Moisture Absorption (24h, 23C)	D570	0.15%	0.15%
Specific Gravity	D792	1.20	1.20

*Data above is based on testing of injection molded test specimens

P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Zelux® M WM

PRODUCT SHAPES & DIMENSIONS

Rods: 48"L (122cm)

0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)	1.5" (38.1mm)	1.75" (44.45mm)
2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)	3" (76.2mm)	3.25" (82.55mm)
3.5" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	5" (127mm)	6" (152.4mm)	7" (177.8mm)
8" (203.2mm)	9" (228.6mm)	10" (254mm)	12" (304.8mm)		

Extruded Slabs: 24"W (61cm)

0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)	1.5" (38.1mm)	2" (50.8mm)
2.5" (63.5mm)	3.0" (76.2mm)				

Extruded Sheets: 48"W x 96"L (122cm x 244cm)

0.030" (0.76mm)	0.035" (0.89mm)	0.060" (1.52mm)	0.062" (1.57mm)	0.080" (2.03mm)	0.090" (2.29mm)
0.095" (2.41mm)	0.125" (3.18mm)	0.1875" (4.76mm)	0.250" (6.35mm)		

Extruded Films: 26"W (66cm)

0.002" (0.05mm)	0.005" (0.13mm)	0.010" (0.25mm)	0.020" (0.51mm)	0.025" (0.64mm)

LAST REVISED: 08/29/2025

This information is offered solely for your consideration, examination and verification, and is to be construed neither as a warranty nor guarantee that the same results as those stated herein will be obtained by the use to which others may put the material. Each user of the material should make his own tests to determine the characteristics and suitability of the material for his own particular use and the use which will be made of the completed product. This publication is not to be taken as a license to operate under, or a recommendation to infringe any patents. The observance of all legal regulations and patents is the responsibility of the user. The buyer's exclusive remedy against the seller shall be for the repair or replacement of defective stock. No other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or other incidental or consequential loss) shall be available to the buyer.

EXCLUSION OF WARRANTIES: THERE ARE NO WARRANTIES AS TO THE MATERIAL DESCRIBED HEREIN, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. ANY VALUES STATED IN SELLER'S ITERATURE ARE TYPICAL PROPERTIES ONLY.